

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-077135

(43)Date of publication of application : 25.03.1997

(51)Int.Cl.

B65D 77/06

B65D 17/28

B65D 81/34

(21)Application number : 07-262206

(71)Applicant : TOPPAN PRINTING CO LTD

(22)Date of filing : 16.09.1995

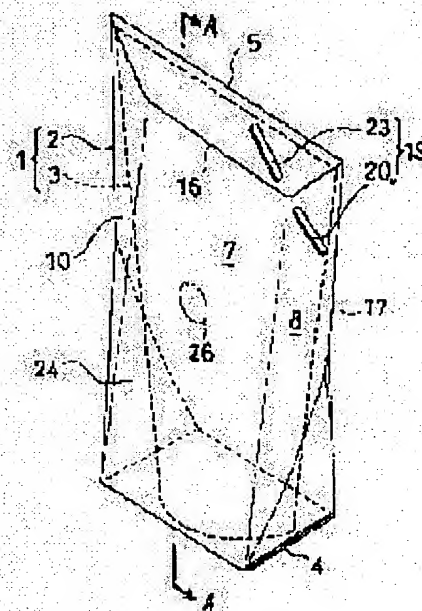
(72)Inventor : YAMATANI AKIRA
KAGEKAWA HIROAKI

(54) FOOD PACKAGE BODY

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a food package body having a high added value which is easy to handle without difficulties even when it is made hot due to a heat processing and which is simple to handle.

SOLUTION: A food package body consists of a pouch 3 and a paper outer box 2 for storing this. The outer box 2 is almost equal in height to the pouch 3, forms a bottom 4 wide so as to be erectable, and seals its top 5 flat so that its outer shape seen from the direction of the ridgeline of top 5 is almost triangular. In the upper part of the outer box 2, a weak strength part 19 is provided for facilitating cut with a cutter.



LEGAL STATUS

[Date of request for examination]

12.06.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application
converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of

rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] Generally [a meatball, a hamburger etc.] to carry out [Calais, a stew, soup or ****, and / that mainly hold the food for microwave ovens, or a pouch-packed food] cooking, this invention relates plastic film, a metallic foil, etc. to the package object using the container called a single or the pouch which gave lamination protection-from-light nature and airtightness to the multilayer further.

[0002]

[Description of the Prior Art] Conventionally, although the container called the pouch container as aforementioned is generally used if this kind of food packing object takes an example for the food for microwave ovens, it divides roughly and the gestalt of two kinds of sale or use is known.

[0003] It is with what can become independent now by the weight of this food by having called one of them the so-called Taira pouch, calling a standing pouch the thing and others which carried out the heat seal of the neighborhood of the charge of a laminated wood, or the three sides, being constituted by saccate and holding food mostly, by the rectangular piece of a transverse plane, the piece of a tooth back, and the piece of a base. And this standing pouch is sold in a figure as it is, and said Taira pouch is contained and sold to the container of further the product made of paper.

[0004] In order to have used food of such the food packing inside of the body as opening, generally, the pouch itself was applied to the microwave oven, or it was attached to boiling water, it heated directly, and a part of pouch was cleared after that, and moving food, and not eating it or not heat-treating it subsequently to tableware etc., from the pouch, soon, food was moved to tableware etc. and eaten.

[0005]

[Problem(s) to be Solved by the Invention] However, such a conventional pouch is disagreeable ***** with which the facilities of use of a consumer could not necessarily be presented fully. because -- first -- said Taira pouch, a standing pouch, and any -- although -- since the bag itself becomes a remarkable elevated temperature when it heat-treats the whole bag, it is very inconvenient to treat directly by hand, and that many people are having trouble [handling / immediately after heat-treatment] is an often experienced fact.

[0006] Moreover, a tank is opened first, in the case of the Taira pouch, in order to take out the Taira pouch and to take out food further, it is necessary to open this Taira pouch, and handling takes much time and effort, and the description as instant food which fits the right time and is called ***** is checked greatly. furthermore, the package object after heat-treatment became high, even if it said that in the case of a standing pouch there was independence possibility since the package object consists of flexible materials, as strongly [the waist] as paper, especially, flexibility did not carry out sink appearance of it very much well in the direction which considers, although food is removed to tableware etc., but spilt it besides tableware, and it was ****ting .

[0007] Thus, in respect of handling, the conventional food packing object also had many somethings and troubles, and had the problem which cannot demonstrate very much well the property of facilitation of especially the meal to instant food original.

[0008] As a result of examining various troubles of the above conventional food packing objects, in order to improve facilitation of the meal as instant food further further, this invention carries out the knowledge of it being conditions absolutely for the handling of the pouch after heat-treating to be easy to the 1st first, and comes [then,] to develop this invention for examination in piles wholeheartedly. Therefore, even if the handling of the food packing object after heat-treatment takes out from a microwave oven and it moves the food of the package inside of the body to tableware etc. after that, especially the 1st purpose can be performed simple, without laboring this, simplifies the time and effort of handling further, and is in the point of offering the high food packing object of added value.

[0009] Moreover, the 2nd purpose is combined with the ability to be well begun to the last to extract the food in a pouch, and can rearrange a food packing object simple, much more, it is user-friendly and it is to offer the food packing

object which has added value more.

[0010]

[Means for Solving the Problem] In order to attain the above-mentioned purpose, the food packing object concerning this invention has provided the following means. Namely, the food packing object of the 1st invention consists of a pouch held in a tank and this tank as indicated to claim 1, and said tank is a product made of paper. While having the height of said pouch and **** EQC, a pars basilaris ossis occipitalis is formed in the double width which can become independent. and the appearance configuration seen from the direction where the seal of the crowning was carried out flatly, and it met the ridgeline of said crowning -- the shape of a **** triangle -- getting it blocked -- it is formed in a wedge, and becomes and the on-the-strength weak spot section which makes the cutoff by the cutting implement easy is prepared in the upper part of this tank.

[0011] Here, said pouch may be the conventional Taira pouch, or may be a standing pouch, and if it can weld in short, there will be especially no limitation and it will not ask a laminate and a monolayer article. Although the configuration of the pouch adopted as this invention is also equipped with the same conventional configuration As a configuration at the time of adopting as an example the use gestalt which is not directly heated with a microwave oven It is the basic target of a sealant layer / AL foil / polyethylene (PE) with 3 layer structures, and straight chain-like bottom consistency polyethylene (LLDPE), non-extended polypropylene (CPP), heat-sealer bull polyester (heat syllable PET), etc. can be used as a sealant layer.

[0012] Moreover, as indicated in drawing 1 as the tank formed in the double width to which a pars basilaris ossis occipitalis can become independent, a bottom is preferably formed in a rectangular head and the so-called square bottom, and stands, and a posture can be maintained. As shown also out of it at a triangle, a hexagon, and also drawing 10 , it can be circular or configurations, such as an ellipse form, can be adopted. Moreover, pasteboard is adopted or, as for a material, the paper and the synthetic paper of moderate strength are used.

[0013] 1/2 part of the perimeter length of the upper limit of the drum section of this tank is stuck mutually, and the crowning of a tank is constituted flatly. Furthermore, as shown in drawing 4 , the upper limit closure flap of the trapezoidal shape covering the die length which is equivalent to 1/2 part of that perimeter length through a horizontal fold at the upper limit of a drum section is prepared, and, specifically, a flat crowning is formed by folding this upper limit closure flap with said horizontal fold in one half of the remaining upper limit external surface of a drum section which carries out phase confrontation, laying it on top of it, and sticking it on it. Moreover, as another means, without preparing the above upper limit closure flaps, vertical predetermined width of face of the upper limit of a drum section is made into an edge left for applying paste, and through this edge left for applying paste, the inside of 1 / 2 partial comrade can be made to be able to rival soon, and can be formed.

[0014] Furthermore, although it is desirable to form in the die length equivalent to 1/2 part of the perimeter length of the upper limit of the drum section of a tank as for said upper limit closure flap and edge left for applying paste, in short, they should just prevent the ejection of the pouch in this tank well, and may be set as a dimension shorter than the die length equivalent to 1/2 part of the perimeter length of the upper limit of the drum section of said tank if needed.

[0015] the pouch held in a tank -- the height of this tank, and **** -- the condition of it having been the same, or it being formed in the height of slight ***** and having been contained -- the upper limb of this pouch -- the inside of said flat crowning of a tank -- getting it blocked -- the fold of said upper limit closure flap, and **** -- the same height or **** -- it is desirable that it is in low level.

[0016] The on-the-strength weak spot section which makes the cutoff by the cutting implement easy is intermediary **** [as] which can cut off the upper part for both a tank and an internal pouch by this that what is necessary is just to have the configuration which can be cut off easily with scissors etc. Along the imaginary line part top, by preparing a hole, a perforation, and half-****, specifically, it is formed so that this imaginary line part may be equipped with weak reinforcement more substantially than the reinforcement of that perimeter.

[0017] And the food packing object of the 2nd invention consists of a pouch held in a tank and this tank as indicated to claim 2, and said tank is a product made of paper. While having the height of said pouch and **** EQC, a pars basilaris ossis occipitalis is formed in the double width which can become independent. The seal of the crowning is carried out flatly, the appearance configuration seen from the direction along the ridgeline of said crowning is formed in the shape of a **** triangle, and it becomes. And in the upper part of this tank The on-the-strength weak spot section which makes the cutoff by the cutting implement easy is prepared, the lateral fold ruled line is formed near the pars basilaris ossis occipitalis of said tank, and a pars basilaris ossis occipitalis folds up to the drum section of a box, and is formed possible [a polymerization].

[0018] The fold ruled line of the longitudinal direction prepared near [said] the pars basilaris ossis occipitalis When the configurations of the pars basilaris ossis occipitalis of a tank are a circle, an ellipse or a triangle, and also five square shapes or more 1/2 part of the perimeter length of the lower part of the drum section of a tank is covered, being prepared in a base and **** parallel is desirable, and when the configuration of a pars basilaris ossis occipitalis is a

square bottom, it is prepared in a predetermined dimension upper part location from the base of the panel for these side attachment walls one of the panels for a drum section, i.e., side attachment walls, at a base and **** parallel.

[0019] Said predetermined dimension is preferably set as **** 1/2 of the width of face of a pars basilaris ossis occipitalis. When the dimension called **** 1/2 of the width of face of this pars basilaris ossis occipitalis is folded up so that the fold ruled line of this longitudinal direction may be made into the trough polygonal line and the polymerization of the pars basilaris ossis occipitalis may be carried out to a drum section through this as shown in drawing 8 and 9, it is a dimension suitable for carrying out the polymerization of the pars basilaris ossis occipitalis to a drum section well, and is a suitable dimension to be able to make a part for a downward tubed part flat, and for a food packing object to be flatly folded up by the whole.

[0020] **** 1 and the 2nd invention in addition, said on-the-strength weak spot section It crosses between the middle of the crowning of said tank, and the side-attachment-wall panel upper part which stands in a row at the end of the direction of a ridgeline of this crowning. that is, it prepares in one square corner of the tank upper part aslant -- having - cutting off a square corner in the shape of a triangle **** -- a crowning -- meeting -- this and ****, although it is prepared on an parallel imaginary line part and the up overall length of a package object can be opened wide completely a fluidity -- high food has the desirable configuration prepared aslant [said], and the food which contains many solids conversely can adopt the configuration prepared in this and **** parallel along with a crowning.

[0021] Moreover, although two or more slots, ellipse holes or perforations, and half-**** (half cutting) are suitably employable, in order to make cutoff easier, a slot or an ellipse hole is desirable [said on-the-strength weak spot section is adopted in order to cut off a pouch at once in a tank list, but / the configuration].

[0022]

[Function] The food packing object which is in the food packing object concerning this invention constituted as mentioned above, and is applied to **** 1 invention When there is no need which is not heat-treated of heat-treating, even if it puts into a microwave oven, for example, ** or heat-treats food needless to say, a tank for the product made of paper Unlike dealing with a naked pouch like before, the tank made of paper demonstrates adiabatic efficiency, it is after heat-treatment even if, and even if food is high temperature, this food packing object is held firmly soon by hand, and can be dealt with.

[0023] Moreover, as aforementioned, are a product made of paper, and a tank has **** itself, and is equipped with independence nature, and, in addition, a bottom part is broad [a tank]. By in having a tank by hand, since the appearance configuration seen from the direction along a top ridgeline is presenting the shape of a **** triangle, putting in, and grasping this double-width pars basilaris ossis occipitalis in it, as crowded in the palm The field covering the lower part part of the pars basilaris ossis occipitalis of a tank to a drum section can be firmly grasped in five fingers from a palm. it works so that unlike the Taira pouch and a SUTANTINGU pouch without the conventional waist the grip kitchen at the time of the shape of ***** of this broad bottom part and a triangle and nerve having in a hand may be boiled markedly and it may improve.

[0024] Furthermore, if a cutting implement, such as scissors, is put into said on-the-strength weak spot section conventionally [with the troublesome handling referred to as opening the pouch which opened the conventional tank, took out the pouch and was taken out further, and taking out food] unlike elegance, along with this on-the-strength weak spot section, it can cut off easily [at once / moreover] to a pouch in a tank, and the time and effort of opening is made to simplify sharply.

[0025] Moreover, in addition to the operation brought about by said 1st invention, the food packing object concerning **** 2 invention does the still more nearly following operations so. That is, by making the fold ruled line of the longitudinal direction near the pars basilaris ossis occipitalis of said tank into a trough broken line, it is foldable so that a pars basilaris ossis occipitalis may be made flat and may carry out a polymerization to a drum section along with this, and the whole food packing object can be made easy extraction in the culmination which moves food to tableware etc. and folded up flatly collectively.

[0026]

[Embodiment of the Invention] Hereafter, the gestalt of suitable 1 implementation of **** 1 invention is explained based on a drawing. Drawing 1 shows the food packing object 1 concerning **** 1 invention, and this food packing object 1 consists of a tank 2 manufactured using pasteboard, and a standing pouch 3 held in that interior possible [insert and remove]. In addition, the material of a tank 2 is replaced with pasteboard and can adopt the paper of moderate strength, and a synthetic paper.

[0027] This food packing object 1 is formed in the double width to which a pars basilaris ossis occipitalis 4 can become independent, and as the seal of the crowning 5 is carried out flatly and the appearance configuration seen from the direction along the ridgeline of said crowning 5 is shown also in the sectional view of drawing 2 , it is formed in the shape of a **** triangle.

[0028] Four panels 7, 8, 9, and 10 for side attachment walls and the attachment flap 11 are connected [perspective view / in which said tank 2 shows the blank plate of drawing 4] through the vertical fold 6 so that it may be shown.

The bottom flap 14 which stands in a row on two bottom panels 13 which stand in a row on the panels 7 and 9 for the side attachment walls of a transverse plane and a tooth back, and the panels 8 and 10 for side attachment walls of the right and the left is formed in the lower limit of the panels 7-10 for these side attachment walls through the downward horizontal fold 12, respectively. In the example of drawing, the width-of-face dimension of the panels 7 and 9 for side attachment walls on the back is formed in the transverse-plane list for a long time than the width-of-face dimension of the panels 8 and 10 for the side attachment walls of the right and the left. Therefore, a pars basilaris ossis occipitalis 4 is formed in a rectangle in the example of drawing.

[0029] Moreover, the upper limit of the panels 8 and 10 for the side attachment walls of the right which stands in a row in the upper limit of the panel 9 for side attachment walls of said tooth back and right and left of the panel 9 for side attachment walls of this tooth back, and the left is covered, and the upper limit closure flaps 16 are formed successively through the upper horizontal fold 15. Besides, as the edge closure flap 16 is shown also in drawing 4, those right-and-left both ends are set as the dimension to said right and the center of the cross direction of the panels 8 and 10 for left-hand side walls, and they are constituted so that it may have one half of the die-length dimensions of the perimeter length of the upper limit of a tank 2 exactly.

[0030] While the vertical fold 17 for crossing in said right and the center of the cross direction of the flaps 8 and 10 for left-hand side walls even the middle neighborhood of the vertical direction from upper limit, and forming the flat crowning 5 is formed Two vertical-curve creases 18 of the form which bulges over the intersection of said downward horizontal fold 12 and the vertical fold 6 toward the crosswise central site of the flaps 8 and 10 for the side attachment walls of this right and the left from the lower limit of this vertical fold 17 are formed at a time. Moreover, the same curvature as this vertical-curve crease 18 is given, and a perforation 118 is formed so that it may be illustrated, and it is constituted by the part with which this vertical-curve crease 18 laps in the lower part part of said attachment flap 11 so that the left panel 10 for side attachment walls in alignment with this vertical-curve crease 18 can be bent easily.

[0031] Said vertical fold 18 is an important vertical fold when forming the flat crowning 5. As shown in drawing 3, when the flaps 8 and 10 for the side attachment walls of the right and the left are inserted in by making this vertical fold 18 into an inward line, while the flaps 8 and 10 for side attachment walls on either side are inserted into true one half and an inside makes it stick The upper limit inside comrade of the flaps 7 and 9 for each side attachment walls of a transverse plane and a tooth back will also be stuck mutually, and will be inserted in flatly. If it inserts in and sticks so that said upper limit closure flap 16 may be overlapped with the front face of the flap 7 for front side attachment walls from the upper horizontal fold 15 after this insertion, as shown in drawing 1, the crowning 5 by which the seal was carried out flatly will be obtained.

[0032] Two or more slots 20 as the on-the-strength weak spot section 19 which makes the cutoff by the cutting implement easy are formed in the upper part part of the side-attachment-wall panels 7 and 9 of said transverse plane and tooth back, and the panel 8 for right-hand side walls which exists between forward [these] and the side-attachment-wall panels 7 and 9 on the back. **** 1 / 4 location of the vertical direction die length of this panel 5 for right-hand side walls is specifically made into a low order point from the upper part on said vertical fold 17 prepared in the center of the cross direction of said panel 8 for right-hand side walls. On a part for the imaginary line 21 which has the include angle of 45 degrees of slant in right and left, respectively, the direction of a major axis is turned in the same direction as a part for this imaginary line 21, and said two slots 20 set predetermined spacing, and are pierced, respectively. And as for one of them, the panel 8 for right-hand side walls and the one remaining are prepared in the side-attachment-wall panels 7 and 9 of a transverse plane and a tooth back.

[0033] Moreover, from the intersection of a part for the imaginary line 21 on the side-attachment-wall panel 9 of said tooth back, and the horizontal fold 15 of said top, on a part for the imaginary line 22 which made 45 degrees the included angle with this virtual perforated line 21, the direction of a major axis is turned in the same direction as a part for this imaginary line 22, and one slot 23 is drilled by said upper limit closure flap 16.

[0034] Therefore, in order to assemble this tank 2, the drum section 24 of a tank 2 is formed by inserting in each flaps 7-10 for side attachment walls through the vertical fold 6, and sticking the attachment flap 11 on the left flap 10 for side attachment walls, and the bottom panel 13 and the bottom flap 14 are inserted in and stuck, and the double-width pars basilaris ossis occipitalis 4 is formed.

[0035] Subsequently, if mountain fold of the vertical fold 17 for said flat top formation prepared in the panels 8 and 10 for the side attachment walls of said right and the left is carried out and the flaps 8 and 10 for the side attachment walls of the right and the left are inserted in, as shown in drawing 3 While the flaps 8 and 10 for the side attachment walls of the right and the left are inserted into true one half and stuck to an inside, the upper limit inside comrade of the flaps 7 and 9 for each side attachment walls of a transverse plane and a tooth back will also be stuck mutually, and will be inserted in flatly. Moreover, though a pars basilaris ossis occipitalis 4 is broad by carrying out mountain fold of said vertical-curve fold 18, the loose outside curve which will result by the vertical direction middle of the right-and-left side side is drawn from front view and a base, the right-and-left side side which starts to straight upper limit in the shape of a straight line succeedingly is formed, and the appearance configuration of the tank where the crowning 5 as

shown in drawing 1 is flat is prepared so that the flat configuration of a crowning 5 may be met. Then, as shown in drawing 3, the interior is loaded with the pouch 3 by which the seal receipt of the food was carried out from upper limit opening of this tank 2.

[0036] If loading of a pouch 3 is completed, through said upper horizontal fold 15, the polymerization of said upper limit closure flap 16 will be carried out, it will be made and inserted into the front-face side of the panel 7 for front side attachment walls, and the rear face of this upper limit closure flap 16 will be stuck on the upper limit part by the side of the front face of the panel 7 for front side attachment walls. this time -- said tank 2 and pouch 3 -- a vertical dimension - - **** -- since it is similarly formed, the upper limit of a pouch 3 will be exactly located in the inside upper limit and this level of this flat crowning 5.

[0037] Moreover, the thing prepared in the panel 8 for right side attachment walls said slot 20 Right and left centering on the vertical fold 17 for said the flat top formation overlap mutually. The thing comrade prepared in the panels 7 and 9 for forward and both-sides walls on the back mutually Moreover, overlap, As it combines, and the slots 23 prepared in the upper limit closure flap 17 also overlap on the slot 20 prepared in the panel 7 for the side attachment walls of said transverse plane and are shown in drawing 1 The direction of a major axis is made to incline 45 degrees aslant, two slots 20 and 23 will open predetermined spacing in the upper right direction corner of a tank 2, and will exist in it, and the on-the-strength weak spot section 19 is formed in it of this.

[0038] Thus, as a pars basilaris ossis occipitalis 4 is formed in the double width which can become independent as shown in drawing 1, and the seal of the crowning 5 is carried out flatly and it is shown in drawing 2, the food-packing object 1 which the appearance configuration seen from the direction along the ridgeline of said crowning 5 is formed in the shape of a **** triangle, and becomes, and makes the cutoff by the cutting implement easy in the upper part of this tank 2 and with which the on-the-strength weak spot section 19 is formed is acquired.

[0039] In having a tank 2 by hand, as shown in drawing 5, therefore, by putting in, and grasping this double-width pars basilaris ossis occipitalis in it, as crowded in the palm Even if it makes it the activity which can grasp firmly the field covering the lower part part of the pars basilaris ossis occipitalis 4 of a tank 2 to the drum section 23 in five fingers from a palm, and cuts off the on-the-strength weak spot section 19 Moreover, even if it makes food in the pouch 3 after cutting this off the activity moved to tableware etc. the conventional pouch -- compared with the case of being independent, it is markedly alike, and is made easy, and the handling of the food packing object 1 becomes very easy, collectively, it is considered that it is a sticky product made of paper, and it can deal with a tank 2 easily much more compared with the conventional pouch. moreover, the thing for which the on-the-strength weak spot section 19 of the up square corner section in which said two slots 20 and 23 are formed by standing in a row is cut off with scissors etc. - - cutoff of this square corner section -- an internal pouch -- ** -- it can carry out easily.

[0040] Next, after following the fundamental structure of said 1st invention as it was, **** 2 invention Furthermore, the thing it enables it to be able to begin to extract, without meaning raising added value and leaving the food in said pouch 3 as much as possible, The description is in the point which can raise the abandonment nature of this food packing object after use. Specifically As shown also in drawing 6 and drawing 7, from the pars basilaris ossis occipitalis 4 of the panel 7 for side attachment walls of said transverse plane In a height location equivalent to one half of the dimensions of the depth direction width of face A of this pars basilaris ossis occipitalis 4, a perforation, half-**** (half cutting), etc. for lateral **** in or a slot and an ellipse hole The fold ruled line 25 which turns the direction of a major axis to a longitudinal direction, and is formed by setting predetermined spacing and arranging continuously in plurality is formed.

[0041] Therefore, as shown in drawing 8 and drawing 9, when the food in a pouch 3 is moved to some extent If a pars basilaris ossis occipitalis 4 is flatly inserted in through this fold 25 ruled line and it is made to pile up on the front panel 7 for side attachment walls The drum section lower part part which was maintaining the cube configuration until now will be crushed flatly. press out without moreover taking great pains without leaving the food which still remains in the bottom in a pouch -- moreover, food -- extracting -- appearance -- since this next package object 1 is flatly folded up by the whole the bottom -- ** -- it is made low and can discard.

[0042] Since the configuration of those other than said fold ruled line 25 of this 2nd invention is the same as that of the 1st invention, it adopts the same sign as ***** 1 invention, and omits that explanation.

[0043] In addition, although the upper limit of a tank 2 is stopped in the 2nd invention in said 1st list and the upper limit closure flap 16 was adopted, without replacing with this and forming said upper limit closure flap 16, vertical predetermined width of face of the upper limit of a drum section 24 is made into an edge left for applying paste, and through this edge left for applying paste, the inside of 1 / 2 partial comrade can be made to be able to rival soon, and can be formed.

[0044] Moreover, although the on-the-strength weak spot section 19 is aslant formed in the up square corner section of the package object 1, it is not necessarily limited to this structure, and as shown in drawing 10, the structure formed in these crowning and parallel over the flat up overall length of the package object 1 can also be adopted as the **** lower part part of said crowning 5.

[0045] Moreover, a thing or a perforation, half-**** (half cutting), etc. of the form which the direction of a major axis was made to meet parts for an imaginary line 21 and 22, and put two or more ellipse forms in a row not only like the above slots 20 and 23 but like the slot can be used for the on-the-strength weak spot section 19.

[0046] Furthermore, although it is not necessarily limited to this configuration although the broad pars basilaris ossis occipitalis 4 is formed in the rectangle, and various gestalten can be used for it by the example of drawing if needed [, such as others, circular, an ellipse, an ellipse form, a triangle and also a pentagon, and a hexagon,], they are a rectangle, a square or an ellipse, and an ellipse form preferably. [square] because, the thing of the configuration which the configuration of the pouch by which current use is generally carried out equips with the ratio approximated in 1:1 or this as much as possible [the dimension ratio of a pars basilaris ossis occipitalis in every direction] like a round shape or a trigonum -- already -- ***** -- being hard -- it is because things are raised.

[0047] As shown in drawing 10 , when the above-mentioned pars basilaris ossis occipitalis 4 inserts a base lid 27 in drum section 24 lower limit formed in tubed, bends the lower limit of a drum section 24 with the horizontal fold 12 and generally [in the case of circular, an ellipse an ellipse form, etc. / a pars basilaris ossis occipitalis 4 / consisting of a drum section 24 and an another object], and specifically sticks with said base lid 27, it is constituted so that a pars basilaris ossis occipitalis 4 may be formed.

[0048] Although the fold ruled line 25 for **** of said longitudinal direction is set up by **** 1/2 of the perimeter length of a drum section 24 in the case of the ellipse or the ellipse form, but the need responds to a pars basilaris ossis occipitalis 4 and it can also shorten a twist, in order to make it easy to fold, a dimension setup of **** 1/2 of the perimeter length of this drum section 24 is desirable. As for this dimension, it is desirable to apply a pars basilaris ossis occipitalis 4 as a desirable dimension an ellipse or not only an ellipse form but in the case of the five-cornered polygon of a rectangle, a square, and also a triangle.

[0049] 26 in drawing 1 , drawing 2 , and drawing 6 is hot melt, and it prevents that the held pouch 3 secedes from a tank 2 carelessly by pasting up a tank 2 and a pouch 3 by hot melt.

[0050]

[Effect of the Invention] A pars basilaris ossis occipitalis is formed in the double width to which the appearance configuration of the tank which constitutes a food packing object can become independent according to **** 1 invention as explained above. And since the configuration seen from the direction where the seal of the crowning was carried out flatly, and it met the ridgeline of said crowning is formed in the shape of a **** triangle, even if ***** is also a standing pouch in the Taira pouch Although it cannot be overemphasized that it is the configuration which is easy to contain a pouch, since this tank is a sticky product made of paper, this equips the 1st with adiabatic efficiency first. Anyway, with a microwave oven etc. [for example,] Even if it heat-treated food, the food packing object could be grasped by hand easily, and the handling became very easy compared with the thing pouch independent [conventional].

[0051] The activity which picks out a food packing object from a microwave oven etc. since it has the configuration and hardness which are combined and the tank itself tends to grasp, Or the activity which cuts off the on-the-strength weak spot section, the activity which moves the food in the pouch after cutting this off to tableware etc. the conventional pouch -- case it is independent -- comparing -- markedly -- alike -- easy -- carrying out -- the handling of a food packing object -- very much -- easy -- becoming -- moreover -- existence of the on-the-strength weak spot section -- an internal pouch -- ** -- since a tank is cut off easily and it can open simple, the user-friendliness is boiled markedly and improves.

[0052] And in addition to the 1st invention of the above, **** 2 invention forms a lateral fold ruled line near the pars basilaris ossis occipitalis of a tank further. Since it enabled it to fold it up as a drum section piled up a pars basilaris ossis occipitalis simply caudad The drum section lower part part which was maintaining the cube configuration until now will be crushed flatly. press out without moreover taking great pains without leaving the food which still remains in the bottom in a pouch -- moreover, food -- extracting -- appearance -- since this next package object 1 is flatly folded up by the whole the bottom -- ** -- it is made low, and can discard and there is an advantage which can offer a food packing object with more high added value.

[Translation done.]

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] It consists of a pouch held in a tank and this tank, and said tank is a product made of paper. While having the height of said pouch and **** EQC, a pars basilaris ossis occipitalis is formed in the double width which can become independent. And the food packing container characterized by preparing the on-the-strength weak spot section which the seal of the crowning is carried out flatly, and the appearance configuration seen from the direction along the ridgeline of said crowning is formed in the shape of a **** triangle, and becomes, and makes the cutoff by the cutting implement easy in the upper part of this tank.

[Claim 2] It consists of a pouch held in a tank and this tank, and said tank is a product made of paper. While having the height of said pouch and **** EQC, a pars basilaris ossis occipitalis is formed in the double width which can become independent. The seal of the crowning is carried out flatly, the appearance configuration seen from the direction along the ridgeline of said crowning is formed in the shape of a **** triangle, and it becomes. And in the upper part of this tank The food packing container characterized by preparing the on-the-strength weak spot section which makes the cutoff by the cutting implement easy, forming the lateral fold ruled line near the pars basilaris ossis occipitalis of said tank, and for a pars basilaris ossis occipitalis folding up to the drum section of a box, and being formed possible [a polymerization].

[Claim 3] said on-the-strength weak spot section -- the crowning of a tank -- on the way -- ** -- the near upper part of the drum section of the imaginary line part top which connects between the side-attachment-wall upper parts which stand in a row at the end of the direction of a ridgeline of this crowning, or a tank -- it is -- said crowning -- **** -- a food packing container given in either claim 1 currently formed in either on an parallel imaginary line part, or claim 2.

[Claim 4] Said on-the-strength weak spot section is the perforation which the direction of a major axis is made to meet a part for said imaginary line, and is mutually prepared along with a part for two or more slots or the ellipse hole which set predetermined spacing and was prepared, or said imaginary line, and a food packing container according to claim 1 to 3 which consists of either of the half-****.

[Translation done.]

(19) 日本国特許庁 (J P)

(12) 公開特許公報 (A)

(11) 特許出願公開番号

特開平9-77135

(43) 公開日 平成9年(1997)3月25日

(51) Int.Cl. ⁶	識別記号	庁内整理番号	F I	技術表示箇所
B 6 5 D 77/06			B 6 5 D 77/06	B
17/28			17/28	
81/34			81/34	U

審査請求 未請求 請求項の数4 F D (全 9 頁)

(21) 出願番号 特願平7-262206

(22) 出願日 平成7年(1995)9月16日

(71) 出願人 000003193

凸版印刷株式会社

東京都台東区台東1丁目5番1号

(72) 発明者 山谷 章

東京都台東区台東1丁目5番1号 凸版印刷株式会社内

(72) 発明者 藤川 博昭

東京都台東区台東1丁目5番1号 凸版印刷株式会社内

(74) 代理人 弁理士 藤本 英夫

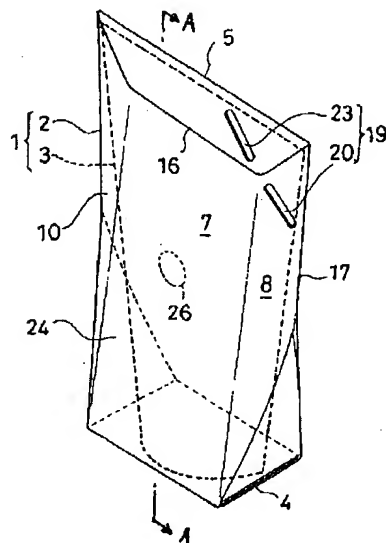
(54) 【発明の名称】 食品包装体

(57) 【要約】

【課題】 加熱処理されて高温になった状態であつても、その取り扱いを労することなく簡便に行え、取り扱いの手間も簡素化して、付加価値の高い食品包装体を提供する。

【解決手段】 パウチ3とこれを収容する紙製の外箱2とからなり、外箱2は前記パウチ3とほぼ同等の背丈を備え、かつ、底部4を自立可能な広幅に形成し、頂部5を偏平にシールして、前記頂部5の稜線に沿った方向から見た外形形状をほぼ三角形形状に形成し、かつ、この外箱2の上部に、切断具による切り取りを容易にする、強度弱点部19を設けてある。

1…食品包装体
2…外箱
3…パウチ
4…広幅な底部
5…偏平な頂部
19…強度弱点部



【特許請求の範囲】

【請求項1】 外箱とこの外箱内に収容されるパウチとからなり、前記外箱は紙製で、前記パウチとはほぼ同等の背丈を備えるとともに、底部は自立可能な広幅に形成され、かつ、頂部が偏平にシールされて、前記頂部の稜線に沿った方向から見た外形形状がほぼ三角形に形成されてなり、かつ、この外箱の上部には、切断具による切り取りを容易にする、強度弱点部が設けられていることを特徴とする食品包装容器。

【請求項2】 外箱とこの外箱内に収容されるパウチとからなり、前記外箱は紙製で、前記パウチとはほぼ同等の背丈を備えるとともに、底部は自立可能な広幅に形成され、かつ、頂部が偏平にシールされて、前記頂部の稜線に沿った方向から見た外形形状がほぼ三角形に形成されてなり、かつ、この外箱の上部には、切断具による切り取りを容易にする、強度弱点部が設けられ、前記外箱の底部近くには横方向の折り目罫線が設けられていて、底部が箱の胴部に折り畳み重合可能に形成されていることを特徴とする食品包装容器。

【請求項3】 前記強度弱点部は、外箱の頂部の途中と、この頂部の稜線方向の一端に連なる側壁上部との間を結ぶ仮想線分上若しくは外箱の胴部の上方近くで、前記頂部にはほぼ平行な仮想線分上のいずれかに形成されている請求項1又は請求項2のいずれかに記載の食品包装容器。

【請求項4】 前記強度弱点部は、前記仮想線分に長軸方向を沿わせ、かつ、相互に所定間隔をおいて設けられた複数個の長穴若しくは楕円穴、或いは前記仮想線分に沿って設けられるミシン目、半裁線のいずれかで構成される請求項1乃至請求項3のいずれかに記載の食品包装容器。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】本発明は、例えばカレー、シチュー、スープ或いはかゆ類、更にはミートボールやハンバーグ等の加熱調理される主として電子レンジ用食品或いはレトルト食品を収容するための、一般に、プラスチックフィルム、金属箔等を単一、または、多層に張り合わせ遮光性、気密性を持たせたパウチと称される容器を用いた包装体に関するものである。

【0002】

【従来の技術】従来、この種の食品包装体は、電子レンジ用食品に例をとってみると、一般に、前記の通りの、パウチ容器と称される容器が使用されているが、大まかに分けて二通りの販売或いは使用の形態が知られている。

【0003】その一つは、所謂平パウチと称されたもので、積層材料の四辺或いは三辺を熱シールしたもの、他はスタンディングパウチと称され、ほぼ長方形の正面片と背面片、底面片によって袋状に構成され、食品を収容

することによって、この食品の重みで自立できるようにになっているものとである。そして、このスタンディングパウチはそのままの姿で販売され、また、前記平パウチは、更に紙製の包装容器に収納されて販売されている。

【0004】このような食品包装体内の食品を口にするには、一般的には、パウチそのものを、例えば電子レンジにかけたり、熱湯につけたりして直接加熱し、その後パウチの一部を切り開き、次いで食品を食器等に移し替えて食したり、或いは加熱処理しないままパウチから直に食品を食器等に移し替えて食していた。

【0005】

【発明が解決しようとする課題】ところが、このような従来のパウチは、消費者の使用の便に必ずしも十分には供し得なかった嫌いがあった。何故ならば、先ず前記平パウチもスタンディングパウチもいずれもが袋ごと加熱処理した場合には、袋自体がかなりの高温になるために、手で直接扱うには非常に不便であり、加熱処理直後の取り扱いには多くの人が難儀をしているのはよく見聞きする事実である。

【0006】また、平パウチの場合には、先ず外箱を開封して平パウチを取り出し、更に食品を取り出すためにこの平パウチを開封する必要がある、取り扱いに多くの手間を要し、時宜に適して食せると言うインスタント食品としての特徴が大きく阻害される。更に、スタンディングパウチの場合には、包装体は柔軟な素材で構成されているために、自立可能性があるといても紙程には腰が強くなく、加熱処理後の包装体は殊に柔軟性が高くなってしまい、食品を食器等に移しかえるのに、思う方向になかなかうまく流し出せず、食器の外にこぼしたりして、難儀をしていた。

【0007】このように、従来の食品包装体は、取り扱いの点で何かと問題点も多く、インスタント食品本来の、特に食の簡便化の、特性をなかなかうまく発揮させ得ない問題があった。

【0008】そこで本発明は、以上のような従来の食品包装体の問題点を種々検討した結果、インスタント食品としての、食の簡便化、を更に一層向上するには、まず第1に、加熱処理した後のパウチの取り扱いが容易であることが絶対条件であることを知見し、鋭意検討を重ねて、本発明を開発するに至ったものである。従ってその第1の目的は、特に加熱処理後の食品包装体の取り扱いが、例えば電子レンジから取り出すにしても、その後包装体内の食品を食器等に移し替えるにしても、これを労することなく簡便に行え、更に取り扱いの手間を簡素化して、付加価値の高い食品包装体を提供する点にある。

【0009】また、第2の目的は、パウチ内の食品を最後までうまく絞り出せることに併せて食品包装体の後始末が簡便に行え一段と使い勝手が良く、かつ、より付加価値のある食品包装体を提供することにある。

【0010】

【課題を解決するための手段】上記の目的を達成するために、本発明に係る食品包装体は、次のような手段を講じている。すなわち、第1発明の食品包装体は、請求項1に記載したように、外箱とこの外箱内に収容されるパウチとからなり、前記外箱は紙製で、前記パウチとは、同等の背丈を備えるとともに、底部は自立可能な広幅に形成され、かつ、頂部が偏平にシールされて、前記頂部の稜線に沿った方向から見た外形形状がほぼ三角形状、つまりは楔形、に形成されてなり、かつ、この外箱の上部には、切断具による切り取りを容易にする、強度弱点部が設けられているものである。

【0011】ここで、前記パウチは、従来の平パウチであっても、また、スタンディングパウチであってもよく、要するに融着できるものならば特に限定はなく、積層品、単層品を問わない。本発明に採用されるパウチの構成も従来の同様の構成を備えているが、一例として、例えば電子レンジで直接加熱しない使用形態を採用した場合の構成としては、シーラント層／AL箔／ポリエチレン（PE）の基本的には三層構造となっていて、シーラント層としては、直鎖状低密度ポリエチレン（LLDPE）、無延伸ポリプロピレン（CPP）、ヒートシラブルポリエステル（ヒートシラブルPET）等が使用できる。

【0012】また、底部が自立可能な広幅に形成された外箱とは、例えば図1に示されるように、底が好ましくは四角、所謂角底に形成され、立ち姿勢を維持できるものである。その外にも、三角形、六角形、更には図10に示されるように円形であったり、或いは楕円形等の形状を採用できる。また、素材は厚紙が採用されているか、この他にも適度な強さの紙や合成紙が用いられる。

【0013】外箱の頂部は、該外箱の胴部の上端の全周長の1/2部分が相互に貼着されて偏平に構成される。更に具体的には、例えば図4に示されるように、胴部の上端に、横折り目を介して、その全周長の1/2部分に相当する長さにわたる台形状の、上端封止フラップが設けられ、この上端封止フラップを相対峙する残りの1/2の胴部の上端外面に前記横折り目で折って重ね合わせて貼着することによって偏平な頂部が形成される。また、別の手段としては、前記のような上端封止フラップを設けることなく、胴部の上端の上下所定の幅を糊代とし、この糊代を介して1/2部分同志の内面を直に張り合わせて形成することができる。

【0014】更に、前記上端封止フラップや糊代は、外箱の胴部の上端の全周長の1/2部分に相当する長さに形成するのが好ましいが、要するに、該外箱内のパウチの抜け出しをうまく阻止すればよいもので、必要に応じて、前記外箱の胴部の上端の全周長の1/2部分に相当する長さよりも短い寸法に設定されてもよい。

【0015】外箱に収容されるパウチは、この外箱の背丈とは、同じ若しくは、短めの背丈に形成されるもの

で、収納された状態では、このパウチの上縁が外箱の前記偏平な頂部の内側、つまりは前記上端封止フラップの折り目とほぼ同じ高さ若しくは、低いレベルにあることが望ましい。

【0016】切断具による切り取りを容易にする強度弱点部は、例えば鉄等で容易に切り落とせる構成を備えていればよく、これによって、外箱と内部のパウチとを共にその上部を切り落とすことができるようになってい。具体的には、仮想線分上に沿って、穴やミシン目や半裁線を設けることによって、この仮想線部分とその周囲の強度よりも実質的に弱い強度を備えるように形成されている。

【0017】そして、第2発明の食品包装体は、請求項2に記載したように、外箱とこの外箱内に収容されるパウチとからなり、前記外箱は紙製で、前記パウチとは、同等の背丈を備えるとともに、底部は自立可能な広幅に形成され、かつ、頂部が偏平にシールされて、前記頂部の稜線に沿った方向から見た外形形状がほぼ三角形状に形成されてなり、かつ、この外箱の上部には、切断具による切り取りを容易にする、強度弱点部が設けられ、前記外箱の底部近くには横方向の折り目罫線が設けられていて、底部が箱の胴部に折り畳み重合可能に形成されている。

【0018】前記底部近くに設けられた横方向の折り目罫線は、外箱の底部の形状が円、楕円或いは三角形更には五角形以上の場合には、外箱の胴部の下部の全周長の1/2部分にわたって、底辺とほぼ平行に設けられるのが好ましく、底部の形状が角底である場合には、胴部、つまり側壁用のパネルの一つに、この側壁用のパネルの底辺から所定寸法上方位置に、底辺とほぼ平行に設けられる。

【0019】前記所定寸法は、好ましくは、底部の幅のは、1/2に設定されている。この底部の幅のは、1/2と言う寸法は、図8、9に示されるように、この横方向の折り目罫線を谷折れ線とし、これを介して底部を胴部に重合するように折り畳んだ際に、底部をうまく胴部に重合させるに適した寸法で、下方の筒状部分を偏平にでき、食品包装体が全体に偏平に折り畳まれるのに好適な寸法である。

【0020】尚、本第1、第2発明共に、前記強度弱点部は、前記外箱の頂部の途中と、この頂部の稜線方向の一端に連なる側壁パネル上部との間にわたって、つまり外箱上部の一方の角隅に斜めに設けられて、角隅を三角形状に切り取ったり、頂部に沿ってこれとほぼ平行な仮想線分上に設けられて、包装体の上部全長を完全に開放したりすることができるが、流動性高い食品は前記斜めに設けられた構成が好ましく、逆に固形物を多く含む食品は頂部に沿ってこれとほぼ平行に設ける構成を採用できる。

【0021】また、前記強度弱点部は、外箱並びにパウ

5

チを一挙に切り取る為に採用されるが、その構成は、複数の長穴若しくは楕円穴、或いはミシン目や半裁線（ハーフカット）を適宜に採用できるが、切り取りをより容易にするには、長穴若しくは楕円穴が好ましい。

【0022】

【作用】以上のように構成された本発明に係る食品包装体において、本第1発明に係る食品包装体は、加熱処理せずに、或いは加熱処理する必要のない場合は言うまでもなく、例えば電子レンジに入れて食品を加熱処理しても、外箱が紙製のために、従来のように裸のパウチを取り扱うのと違って、紙製の外箱が断熱効果を発揮して、たとえ加熱処理後で食品が高熱であっても、この食品包装体は手で直にしっかりと掴んで取り扱える。

【0023】また、外箱は前記の通り、紙製で、其自体が腰があって自立性を備えており、加えて底部分が幅広で、頂部の稜線に沿った方向から見た外形形状がほぼ三角形を呈しているから、外箱を手で持つに当たって、この広幅の底部を掌に入れ込むようにして把持することによって、外箱の底部から胴部の下方部分にわたる領域を掌から5本の指の中にしっかりと握れることとなり、従来の腰のない平パウチやスタンディングパウチとは違って、この幅広な底部分と三角形の外形形状、そして腰の強さが、手に持った際の握り勝手を格段に改善するように働く。

【0024】更に、従来の外箱を開封してパウチを取り出し、更に取り出したパウチを開封して食品を取り出すと言った、取り扱いが面倒な従来品と違って、前記強度弱点部に鋏等の切断具を入れれば、この強度弱点部に沿って、外箱と共にパウチまでも一挙にしかもたやすく切り取れ、開封の手間を大幅に簡素化させる。

【0025】また、本第2発明に係る食品包装体は、前記第1発明によってもたらされる作用に加えて、更に、次のような作用を奏する。つまり、前記外箱の底部近くの横方向の折り目罫線を谷折線とすることで、これに沿って底部を、偏平にして、胴部に重合するように折り畳め、食品を食器等に移し替える最終段階での絞り出しを容易にし、併せて食品包装体全体を偏平に折り畳める。

【0026】

【発明の実施の形態】以下、本第1発明の好適な一実施の形態を図面に基いて説明する。図1は本第1発明に係る食品包装体1を示し、この食品包装体1は、厚紙を用いて製造された外箱2と、その内部に挿抜可能に収容されるスタンディングパウチ3とから構成される。尚、外箱2の素材は厚紙に代えて、適度な強さの紙、合成紙を採用できる。

【0027】この食品包装体1は、底部4が自立可能な広幅に形成され、かつ、頂部5が偏平にシールされて、前記頂部5の稜線に沿った方向から見た外形形状が、図2の断面図にも示されるように、ほぼ三角形形状に形成されている。

6

【0028】前記外箱2は、図4のブランク板を示す斜視図に示されるように、縦折り目6を介して4枚の側壁用のパネル7、8、9、10と貼着フラップ11が接続され、該側壁用のパネル7～10の下端には下方の横折り目12を介して、正面と背面の側壁用のパネル7、9に連なる2枚の底パネル13と、右、左の側壁用パネル8、10に連なる底フラップ14とがそれぞれ設けられている。図例では、正面並びに背面の側壁用のパネル7、9の幅寸法が右、左の側壁用のパネル8、10の幅寸法よりも長く形成されている。従って、図例では、底部4は長方形に形成される。

【0029】また、前記背面の側壁用パネル9の上端と、この背面の側壁用パネル9の左右に連なる右、左の側壁用のパネル8、10の上端にわたって、上方の横折り目15を介して上端封止フラップ16が連設されている。この上端封止フラップ16は、図4にも示されるように、その左右両端は前記右、左側壁用のパネル8、10の幅方向中央までの寸法に設定されていて、丁度外箱2の上端の全周長の1/2の長さ寸法を有するように構成されている。

【0030】前記右、左側壁用のフラップ8、10の幅方向中央には上端から上下方向の中間辺りまでにわたって、偏平な頂部5を形成するための、縦折り目17が設けられているとともに、この縦折り目17の下端から下方の前記横折り目12と縦折り目6との交点にわたって、この右、左の側壁用のフラップ8、10の幅方向中央側に向かって膨出する形の縦曲線折れ目18が2本ずつ設けられている。また、前記貼着フラップ11の下方部分でこの縦曲線折れ目18が重なる部位には、図示されるように、この縦曲線折れ目18と同じ曲率を持たせてミシン目118が設けられ、この縦曲線折れ目18に沿った左の側壁用パネル10の折り曲げが容易に行えるように構成されている。

【0031】前記縦折り目18は偏平な頂部5を形成する上での重要な縦折り目で、図3に示されるように、この縦折り目18を山折線として右、左の側壁用のフラップ8、10を折り込むと、左右の側壁用のフラップ8、10は真半分に折り込まれて、内面が密着させるとともに、正面と背面のそれぞれの側壁用のフラップ7、9の上端内面同士も互いに密着されて偏平に折り込まれることとなり、この折り込みの後に前記上端封止フラップ16を上方の横折り目15から正面の側壁用のフラップ7の表面に重ならせるように折り込んで貼着すれば、図1に示されるように、偏平にシールされた頂部5が得られる。

【0032】前記正面と背面との側壁パネル7、9と、これら正、背面の側壁パネル7、9の間に存在する右側壁用パネル8との上方部分には、切断具による切り取りを容易にする、強度弱点部19としての複数の長穴20が設けられている。具体的には、前記右側壁用パネル

7

8の幅方向中央に設けられた前記縦折り目17上の、上方からこの右側壁用パネル5の上下方向長さの $\frac{1}{4}$ 位置を下位点にして、左右にそれぞれ斜め 45° の角度を持つ、仮想線分21上に、長軸方向をこの仮想線分21と同一方向に向けて、それぞれ2つの前記長穴20が所定の間隔をおいて打ち抜かれている。そしてその一つは右側壁用パネル8に、そして残りの一つが正面と背面との側壁パネル7、9に設けられる。

【0033】また、前記上端封止フラップ16にも、前記背面の側壁パネル9上の仮想線分21と前記上の横折り目15との交点から、この仮想切り取り線21との夾角を 45° とした仮想線分22上に、長軸方向をこの仮想線分22と同一方向に向けて、一つの長穴23が穿設されている。

【0034】従って、この外箱2を組み立てるには、縦折り目6を介して側壁用の各フラップ7~10を折り込んで貼着フラップ11を左の側壁用フラップ10に貼着することで外箱2の胴部24が形成され、また、底パネル13と底フラップ14を折り込んで貼着して、広幅の底部4が形成される。

【0035】次いで、前記右、左の側壁用のパネル8、10に設けられた、前記偏平頂部形成用の縦折り目17を山折して右、左の側壁用のフラップ8、10を折り込むと、図3に示されるように、右、左の側壁用のフラップ8、10は真半分に折り込まれて、内面が密着されるとともに、正面と背面のそれぞれの側壁用のフラップ7、9の上端内面同志も互いに密着されて偏平に折り込まれることとなる。また、前記縦曲線折り目18を山折することによって、底部4が幅広でありながら、頂部5の偏平な形状に沿うように、正面視、底辺から左右側辺の上下方向中程迄に至る、ゆるやかな外カーブを描き、引き続き直線状に真っ直ぐ上端まで立ち上がる左右側辺が形成されて、図1に示されるような、頂部5が偏平な外箱の外形形状が整えられる。引き続き、図3に示されるように、食品が密封収納されたパウチ3をこの外箱2の上端開口から内部に装填する。

【0036】パウチ3の装填が完了したら、前記上端封止フラップ16を前記上方の横折り目15を介して正面の側壁用のパネル7の表面側に重合させるようにして折り込んでこの上端封止フラップ16の裏面を正面の側壁用のパネル7の表面側の上端部分に貼着する。この時、前記外箱2とパウチ3とは上下寸法がほぼ同じに形成されているから、パウチ3の上端は、丁度この偏平な頂部5の内面上端と同レベルに位置することとなる。

【0037】また、前記長穴20は、右の側壁用のパネル8に設けられたものは、その前記偏平頂部形成用の縦折り目17を中心にした左右が互いに重なりあい、また、正、背面の両側壁用のパネル7、9に設けられたもの同志も互いに重なり合い、併せて、上端封止フラップ17に設けられている長穴23も前記正面の側壁用のパ

8

ネル7に設けられた長穴20の上に重なりあって、図1に示されるように、外箱2の右上方角隅に、長軸方向を斜め 45° に傾斜させて二つの長穴20、23が所定の間隔を開けて存在することとなり、これによって強度弱点部19が形成される。

【0038】このようにして、図1に示されるように、底部4は自立可能な広幅に形成され、かつ、頂部5が偏平にシールされて、図2に示されるように、前記頂部5の稜線に沿った方向から見た外形形状がほぼ三角形に形成されてなり、かつ、この外箱2の上部には、切断具による切り取りを容易にする、強度弱点部19が設けられている食品包装体1が得られる。

【0039】従って、外箱2を手で持つに当たって、図5に示されるように、この広幅の底部を掌に入れ込むようにして把持することによって、外箱2の底部4から胴部23の下方部分にわたる領域を掌から5本の指の中にしっかりと握れることとなり、強度弱点部19を切り取る作業にしても、また、これを切り取った後のパウチ3内の食品を食器等に移し替える作業にしても、従来のパウチ単独の場合に比べて、格段に容易にし、食品包装体1の取り扱いが大変容易になり、併せて外箱2は腰のある紙製であることが加味され、従来のパウチに比べて、一段と容易に取り扱える。また、前記二つの長穴20、23が連なって形成される、上部角隅部の強度弱点部19を、例えば鋏などによって切り取ることによって、この角隅部の切り取りが、内部のパウチ共々容易に行える。

【0040】次に本第2発明は、前記第1発明の基本的な構造をそのまま踏襲した上で、更に付加価値を高めることを意図し、前記パウチ3内の食品を可能な限り余すこと無く絞り出せるようにすることと、使用後のこの食品包装体の廃棄性を高めることが出来る点に特徴があり、具体的には、図6、図7にも示されるように、前記正面の側壁用パネル7の底部4から、この底部4の奥行き方向幅Aの $\frac{1}{2}$ の寸法と同等の高さ位置に、横方向の谷折用の、例えばミシン目や半裁線（ハーフカット）等の、或いは長穴や楕円穴で、その長軸方向を横方向に向けて複数個を所定間隔をおいて連続的に並べることで形成される、折り目罫線25が設けられている。

【0041】従って、図8、図9に示されるように、パウチ3内の食品をある程度移し替えた時点で、この折り目25罫線を介して底部4を偏平に折り込み、正面の側壁用パネル7上に重ねるようにすれば、今まで立方体形状を保っていた胴部下方部分が偏平に押し潰されることとなり、パウチ内の底にまだ残っている食品を余すこと無く、しかも労すること無く絞り出せ、また、食品を絞り出した後のこの包装体1は全体に偏平に折り畳まれているので、嵩低くして廃棄できる。

【0042】この第2発明の前記折り目罫線25以外の構成は、第1発明と同一であるから、図上第1発明と同

一の符号を採用してその説明を省略する。

【0043】尚、前記第1並びに第2発明において、外箱2の上端を閉止するのに、上端封止フラップ16を採用したが、これに代えて、前記上端封止フラップ16を設けること無く、胴部24の上端の上下所定の幅を糊代とし、この糊代を介して1/2部分同志の内面を直に張り合わせて形成することができる。

【0044】また、強度弱点部19を包装体1の上部角隅部に斜めに形成するようにしてあるが、必ずしもこの構造に限定されるものではなく、例えば、図10に示されるように、前記頂部5のや、下方部分に、この頂部と平行に包装体1の偏平な上部全長に渡って形成する構造も採用できる。

【0045】また、強度弱点部19は、上記のような長穴20、23に限らず、長穴と同様に、長軸方向を仮想線分21、22に沿わせて楕円形を複数個連ねた形のもの、或いはミシン目や半裁線（ハーフカット）等を採用できる。

【0046】更に、幅広な底部4は、図例では、長方形に形成されているが、必ずしもこの形状に限定されるものではなく、正方形のほか、円形、長円形、楕円形、三角形、更には五角形や六角形など必要に応じて種々の形態を採用できるが、好ましくは長方形や正方形、或いは長円形や楕円形である。何故ならば、一般的に現在使用されるパウチの形状が、円形や三角等のように、底部の縦横の寸法比率が1:1、或いはこれに可及的に近似する比率を備える形状のものにはや、馴染み難いことがあげられるからである。

【0047】上記底部4が円形、長円形更には楕円形等の場合には、底部4は胴部24と別体で構成されるのが一般的で、具体的には、図10に示されるように、筒状に形成された胴部24下端に底蓋27を挿入し、胴部24の下端を横折り目12で折り曲げて前記底蓋27と貼着することによって、底部4が形成されるように構成されている。

【0048】底部4が長円形や楕円形の場合には、前記横方向の谷折用の折り目野線25は、胴部24の全周長の $\frac{1}{2}$ に設定されているが、必要に応じてこれよりも短くすることが出来るが、折り易くするためにはこの胴部24の全周長の $\frac{1}{2}$ の寸法設定が望ましい。この寸法は底部4が長円形や楕円形に限らず、長方形や正方形更には三角形の五角形状の多角形の場合でも、好ましい寸法として適用されるのが望ましい。

【0049】図1、図2そして図6中の26はホットメルトであって、ホットメルトにより外箱2とパウチ3とを接着することにより、収容されたパウチ3が不用意に外箱2から離脱するのを防止する。

【0050】

【発明の効果】以上説明したように本第1発明によれば、食品包装体を構成する外箱の外形形状が底部は自立

可能な広幅に形成され、かつ、頂部が偏平にシールされて、前記頂部の稜線に沿った方向から見た形状がほぼ三角形に形成されているから、平パウチであつてもスタンディングパウチであつても、いずれにしてもパウチを収納しやすい形状であることは言うまでもないが、先ず第1に、この外箱が腰のある紙製であるから、これが断熱効果を備え、例えば電子レンジ等によって、食品を加熱処理しても、食品包装体をたやすく手で握れて、従来のパウチ単独のものに比べて、その取り扱いが非常に容易となった。

【0051】併せて、外箱自体が握り易い形状、固さを備えているから、食品包装体を電子レンジ等から取り出す作業、或いは強度弱点部を切り取る作業、これを切り取った後のパウチ内の食品を食器等に移し替える作業等を、従来のパウチ単独の場合に比べて、格段に容易にし、食品包装体の取り扱いが大変容易になり、しかも強度弱点部の存在によって、内部のパウチ共々容易に外箱を切り取って簡便に開封出来るから、その使い勝手は格段に向上する。

【0052】そして本第2発明は、上記第1発明に加えて、更に外箱の底部近くに横方向の折り目野線を設けて、底部を胴部の下方に簡単に重ね合わせるようにして折り畳めるようにしたから、今まで立方体形状を保っていた胴部下方部分が偏平に押し潰されることとなり、パウチ内の底にまだ残っている食品を余すこと無く、しかも労すること無く絞り出せ、また、食品を絞り出した後のこの包装体1は全体に偏平に折り畳まれているので、嵩低くして廃棄でき、より付加価値の高い食品包装体を提供できる利点がある。

【図面の簡単な説明】

【図1】本発明に係る食品包装体の一実施の形態を示し、全体斜視図である。

【図2】本発明に係る食品包装体の一実施の形態を示し、図1中のA-A線断面図である。

【図3】本発明に係る食品包装体の一実施の形態を示し、外箱へパウチを収納する状態を示す説明図である。

【図4】本発明に係る食品包装体の一実施の形態を示し、ブランク板を示す斜視図である。

【図5】本発明に係る食品包装体の一実施の形態を示し、食品包装体から食品を移し替える状態の説明図である。

【図6】本第2発明に係る食品包装体の一実施の形態を示し、全体斜視図である。

【図7】本第2発明に係る食品包装体の一実施の形態を示し、ブランク板を示す斜視図である。

【図8】本第2発明に係る食品包装体の一実施の形態を示し、パウチを省略して、底部を偏平に折り畳んだ状態を示す斜視図である。

【図9】本第2発明に係る食品包装体の一実施の形態を示し、食品包装体から食品を移し替える状態の説明図である。

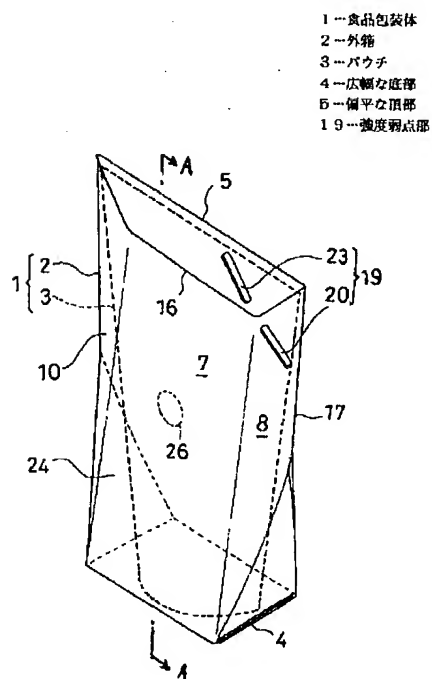
ある。

【図10】本発明に係る食品包装体の一実施の形態を示し、底部が円形に形成された形状の外箱の斜視図である。

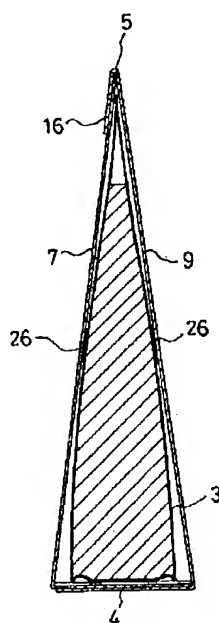
【符号の説明】

1…食品包装体、2…外箱、3…パウチ、4…広幅な底部、5…偏平な頂部、19…強度弱点部、24…胴部、25…折り目罫線。

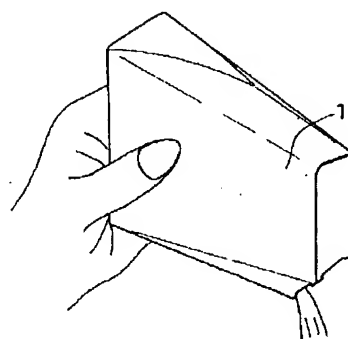
【図1】



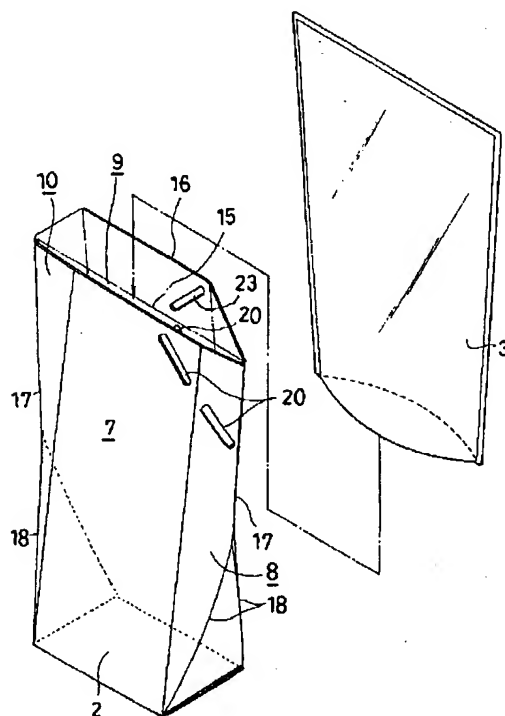
【図2】



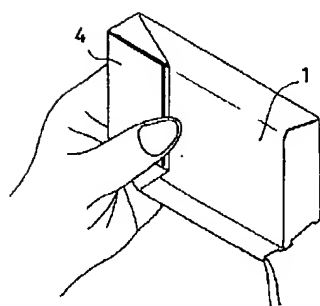
【図5】



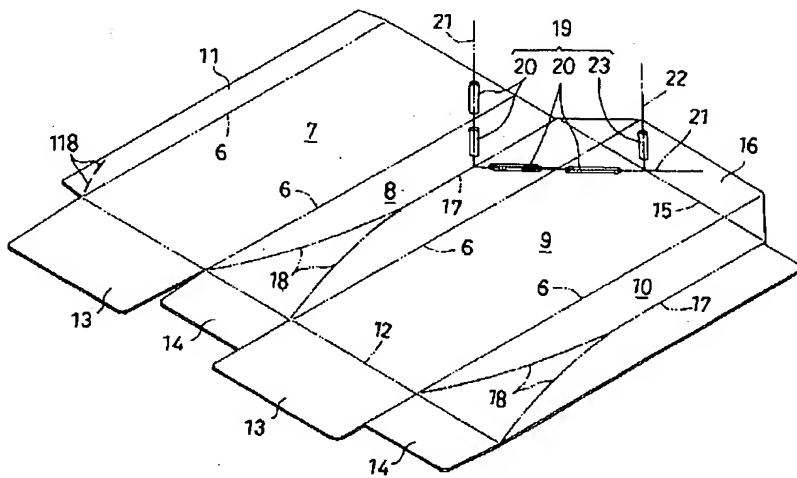
【図3】



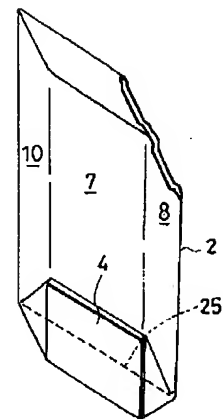
【図9】



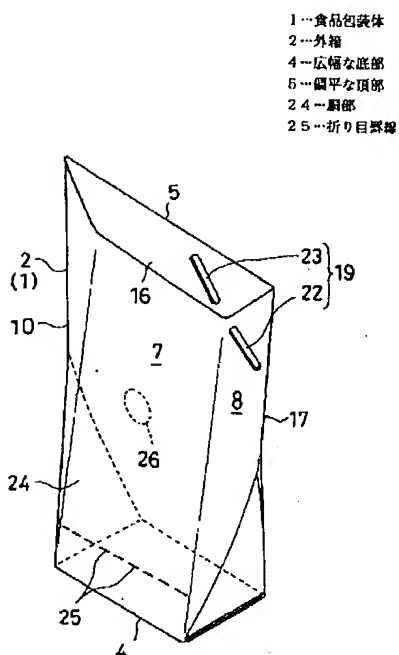
【図4】



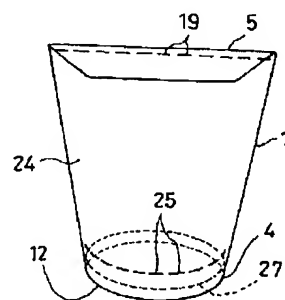
【図8】



【図6】



【図10】



- 1…食品包装体
2…外箱
4…広幅な底部
5…扁平な頂部
24…胴部
25…折り目線

【図7】

